

S.O. UTAH
17922 Fitch Avenue
Irvine, California 92714

August 1, 1985

RECEIVED

AUG 05 1985

State of Utah
Division of Oil and Gas and Mining
355 W. North Temple at Triad Center
Suite 350
Salt Lake City, Utah 84180-1203

DIVISION OF OIL
GAS & MINING

Attention: Ms. Cladia Jones

Re: S.O. Utah #43-13, 8 Mile Flat Unit, Uintah County,
Utah

Enclosed please find a copy of the APD furnished to the Bureau of Land Management for the proposed drilling of S.O. Utah #43-13 well, 8 Mile Flat Unit, Uintah County, Utah.

Please let me know if you have any questions regarding the proposed well.

Very truly yours,



Dougald H. Thamer

DHT/cws

S.O. Utah Operations Office
c/o Dougald H. Thamer, 1084 Cass St., Monterey, CA 93940
(408) 373-2656

*S.O. UTAH
17922 Fitch Avenue
Irvine, California 92714*

August, 1, 1985

United States Department of Interior
Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078

Attention: Mr. Jerry Kenczka, Engineer

Re: Proposed S.O. Utah #43-13 well - 8 Mile Flat Unit -
Uintah County, Utah

Gentlemen:

Enclosed please find three copies of the application for permit to drill the S.O. Utah #43-13 well located in the northeast quarter of the southeast quarter of section 13, township 9 south, range 18 east 8 Mile Flat Unit, Uintah County, Utah. The onsite inspection was completed with the representative of the Vernal office and the archeologist. The site plan and survey are attached along with the conditions of approval for notice to drill.

Please let me know if you have any questions regarding the enclosed applications. Thank you very much.

Very truly yours,

Dougald H. Thamer

cc: Bureau Land Management, Salt Lake City, Utah
Division of Oil, Gas & Minerals, State of Utah
DHT/cws

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

S O Utah

3. ADDRESS OF OPERATOR

17922 Fitch Ave., Suite 100; Irvine, California 92714

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

661' FEL & 1980' FSL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

23 miles SE of Myton, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

661'

16. NO. OF ACRES IN LEASE

560 acres

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

NA

19. PROPOSED DEPTH

6,000'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4836' NGL

22. APPROX. DATE WORK WILL START*

September 1, 1985

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	8 5/8"	24#	300'	Circ. to surface
7 7/8"	5 1/2"	17#	6,000'	Circ. to 200' above Oil Shale

APPROVED BY THE STATE
OF UTAH
DIVISION OF OIL, GAS & MINING

DATE 8/15/85

BY: John R. Bays

WELL SPACING: Unit Well A-3

RECEIVED

AUG 05 1985

DIVISION OF OIL
GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE

DATE

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

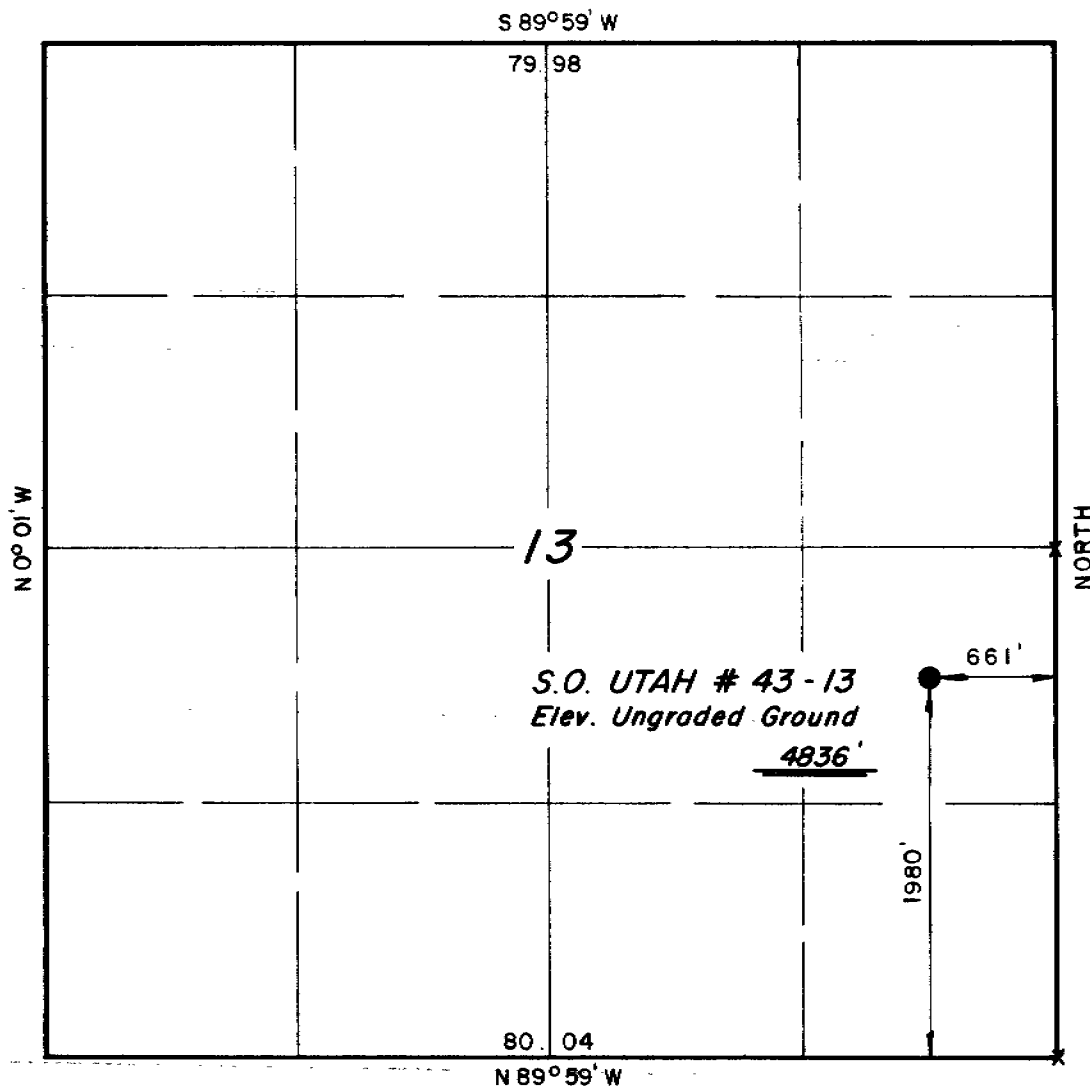
*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

T 9 S, R 18 E, S.L.B.&M.

PROJECT
S.O. UTAH

Well location, *S.O. UTAH # 43-13*,
located as shown in the NE 1/4 SE 1/4
Section 13, T9S, R18 E, S.L.B.&M.
Uintah County, Utah.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

John J. [Signature]
REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 7 / 24 / 85
PARTY BFW TMF	REFERENCES GLO Plat
WEATHER Fair	FILE S.O. UTAH

X = Section Corners Located

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company S O Utah Well No. 43-13
Location Sec. 13 T9S R18E Lease No. U-18048
Onsite Inspection Date 07-25-85

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

A. DRILLING PROGRAM

1. All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

Ram-type BOP will be pressure tested to 2,000 psi, and the annular bag-type BOP will be pressure tested to 1,500 psi.

BOP and choke manifold systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

4. Mud Program and Circulating Medium

Either an upper or lower Kelly cock will be utilized. A full-opening stabbing valve and wrench shall be on the drilling floor at all times. Visual mud monitoring pit level device shall be employed.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the authorized officer (AO).

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed, in duplicate, to the Vernal BLM District Office, 170 South 500 East, Vernal, Utah 84078.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than 5 days following the date on which the well is placed on production.

Pursuant to NTL-2B, with the approval of a District Engineer, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.

Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

A first production conference will be scheduled within 15 days after receipt of the first production notice.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.

B. THIRTEEN POINT SURFACE USE PLAN

1. Planned Access Roads

a. Drainage: Culverts as needed (approximately 2).

2. Other Information

After construction of the reserve pit, a determination shall be made to whether it should be lined or not.

The operator shall contact the BLM after construction of the well pad before the rig moves on location.

In the event after-hour approvals are necessary, please contact one of the following individuals:

Craig M. Hansen	(801) 247-2318
Assistant District Manager	
for Minerals	

Gerald E. Kenczka	(801) 781-1190
Petroleum Engineer	

R. Allen McKee	(801) 781-1368
Petroleum Engineer	

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

RECEIVED

AUG 05 1985

Company: S O Utah

DIVISION OF OIL
GAS & MINING

Well No: Eightmile Flat Unit 43-13 Federal

Location: NE $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 8, T9S R18E, S.L.M., Uintah County, Utah

Lease No: U-18048

On Sight Inspection Date: July 25, 1985

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

A. DRILLING PROGRAM

1. Surface Formation: Tertiary Uinta
Formation Tops: Tertiary Green River Formation- 1800'
2. Estimated Depth at Which Oil, Gas, Water or Other Mineral Bearing Zones Are Expected to be Encountered:

Expected Oil Zones: Green River Formation
Expected Gas Zones: Green River Formation
Expected Water Zones: None
Expected Mineral Zones: None

All fresh water and prospectively valuable minerals(as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control Equipment:

10" 3000 psi hydraulic blowout preventer. Blowout preventer will be tested daily. Refer to blowout preventer program.

BOP systems will be consistent with API RP53. Pressure tests will be conducted before drilling from under casing strings which have been set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and opened at least daily to ensure good mechanical working order and this inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

4. Casing Program and Auxillary Equipment:

<u>SIZE HOLE</u>	<u>SIZE CASING & WT/FT</u>	<u>SETTING DEPTH</u>	<u>CEMENTING</u>
12¼"	8 5/8" 24 # J-55	300'	Circ. to Surf.
7 7/8"	5½" 17# J-55	6,000'	Circ. 200' above Oil Shale

The District Office should be notified with sufficient lead time in order in order to have a BLM representative on location while running all casing strings and cementing.

5. Mud Program and Circulating Medium:

Fresh Water based drilling mud will be used for the entire drilling operation utilizing a dispersed system to total depth. Mud weight will be controlled by controlling drilling solids. Total system volume will be approximately 350 barrels, not including potential reserve pit volume. No chromate additives will be used in the mud system without prior BLM notification and approval.

6. Coring, Logging and Testing Program:

- a. Mud Logging Unit: Top of Green River to T.D.
- b. Electric Logs: DLL; CNL-CDL; Caliper; CBL
- c. Coring: Sidewall Cores may be taken in zones of interest.

Whether the well is completed as a dry hole or a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be filed not later than 30 days after completion of the well and after the completion of operations being performed in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analysis, well-test data, geologic summaries, sample descriptions and all other surveys or data obtained and compiled during the drilling, workover and/or completion operations, will be filed with form 3160-4. Samples will be submitted when requested by the Authorized Officer (AO).

7. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards:

Estimated Bottom Hole Pressure should be approximately 1000 psi. No potential hazards are expected based on prior experience in the area.

8. Anticipated Starting Dates and Notifications of Operations:

Location construction: September 1, 1985
Spud date: Upon completion of location construction

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the AO within 48 hours after spudding. If spudding occurs on the weekend or holiday, the report will be submitted on the following work day. The oral report will be followed up with a Sundry Notice.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed in the Vernal BLM District Office.

Immediate Report: Spill, Blowouts, fire, leaks accidents or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a Sundry Notice to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with this replacement rig.

Should the well be successfully completed for production, the AO will be notified when the well is placed in producing status. Such notification will be sent by telegram or other written communication, not later than 5 days following the date on which the well is placed in production.

Pursuant to NTL-2B, with the approval of the District Engineer, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.

Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during the initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever is the greater. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

A first production conference will be scheduled within 15 days after receipt of the first production notice.

No well abandonment operations will be commenced without prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the SO. A "Subsequent Report of Abandonment" Form 3160-5 will be filed with the AO within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production and construction operations are conducted in a manner which conforms with the applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.

B. THIRTEEN POINT SURFACE USE PLAN

1. Existing Roads:

- a. The well is located 23 miles southeast of Myton, Utah.
- b. The proposed route to the location is to proceed west from Myton on U.S. Highway 40, then southerly on Utah State Highway 264, then easterly on the Eightmile Flat Road.
- c. Highway 40 is bituminous surfaced, Utah 264 is bituminous surfaced for 6 miles and dirt road from there to the location.
- d. The roads will be maintained according to BLM requirements.

2. Planned Access Roads:

- a. There will be approximately 1200' of new access road built to the location. The road will be 30' in width with an 18' running surface.
- b. The road will have a maximum grade of 8% with no turnouts and culverts for drainage as necessary.
- c. The surface material will be the existing soil which will be watered to prevent blowing dust.
- d. Travel will be confined to existing access road and rights-of-way.

3. Location of Existing Wells:

There are existing wells in the area as shown on topographic map "B".

4. Location of Tank Batteries and Production Facilities:

All permanent (on sight for six months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, non-reflective, earthtone color to match the standard environmental colors as determined by the Rocky Mountain 5 State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. will be excluded.

If a tank battery is constructed on the lease, it will be surrounded by a dike of sufficient capacity to contain $1\frac{1}{2}$ times the storage capacity of the battery.

Tank batteries will be placed on the southwest side of the location between points 5 & 6.

All loading lines will be placed inside the berm surrounding the tank battery. All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement or commingling on-lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measuring facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.

5. Location and Type of Water Supply:

All water needed for drilling purposes will be purchased from Target Trucking which will be taken from Pariette Draw in Section 27, T8SR17E.

6. Source of Construction Material:

Road surfacing and pad construction material will be obtained from on lease. The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

Construction material will be located on lease.

7. Methods of Handling Waste Disposal:

The reserve pit may or maynot be lined with bentonite or plastic. Burning will not be allowed. All trash must be contained and disposed of by a trash cage hauled to an approved sanitary landfill.

Produced waste water will be confined to an unline pit for a period not to exceed 90 days after initial production. During the 90 day period an application for approval of permanent disposal method and location, along with required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance and will be grounds for issuing a shut-in order.

8. Ancillary Facilities:

Camp facilities will not be required.

9. Well Site Layout:

The reserve pit will be located on the SE corner between points 4 & 5. The stockpiled topsoil will be stored on the east side between points 2 & 3 and will be windrowed. Access to the well pad will be from the west between points 7 & 8.

Reserve pits will be fenced with a wire mesh fence and topped with at least one strand of barbed wire. Fencing will be on three side during drilling operations and on the fourth side after the rig moves off the location.

10. Plans for Restoration of Surface:

Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris, materials, trash and junk not required for production.

Before dirt work to restore the location takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc. will be removed. If a plastic nylon reinforced liner is used it should be torn and perforated before backfilling the reserve pit.

All disturbed areas will be recontoured to the appropriate natural contours. The stockpiled topsoil will be evenly distributed over the disturbed areas. Prior to reseeding, all disturbed areas, including the access roads will be scarified and left with a rough surface.

Seed will broadcast or drilled at the time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage. Also if broadcast, the seed mixture will be proportionately larger to total double the pounds per acre. The seed mixture will be determined by the BLM at time of restoration.

The reserve pit and that portion of the location and access not needed for production or production facilities will be reclaimed within 6 months of well completion.

11. Surface and Other Mineral Ownership:

Surface: BLM
Minerals: Federal

12. Other Information:

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

The dirt contractor will be provided with an approved copy of the surface use plan.

A cultural resource clearance will be required before any construction begins. If any cultural resources are found during construction, all work will be stopped and the AO will be notified.

This permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

13. Lessee's or Operators Representative and Certification:

Representative: Doug Thamer
1084 Cass Street
Monterrey, California 93940
(408) 373-2656

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route, that I am familiar with the conditions which currently exist, that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by S O Utah and its contractors and subcontractors in conformity with this plan and its terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Date

Name

Title

PROPOSED LOCATION

MAP "A"

SCALE 1" = 4 MI.

ROOSEVELT

MYTON

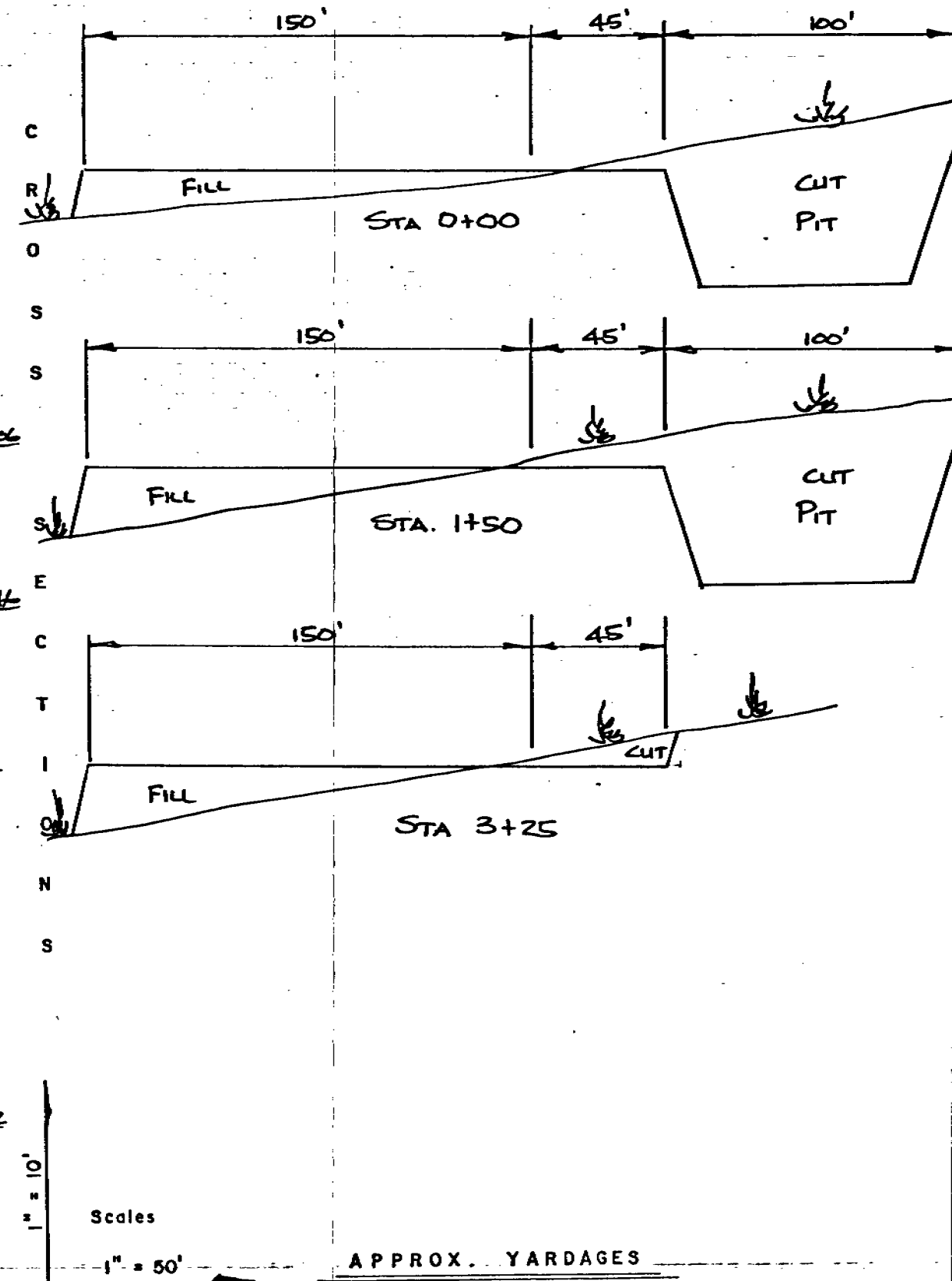
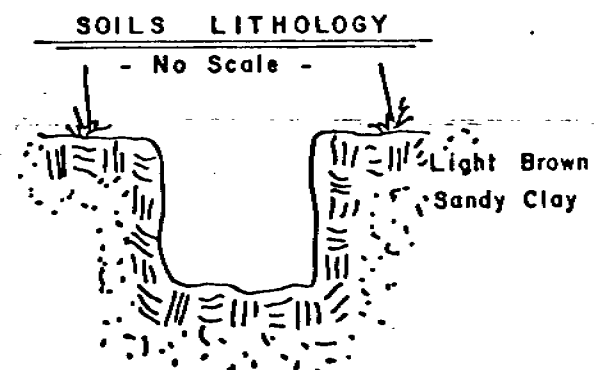
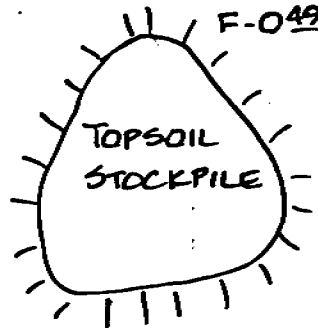
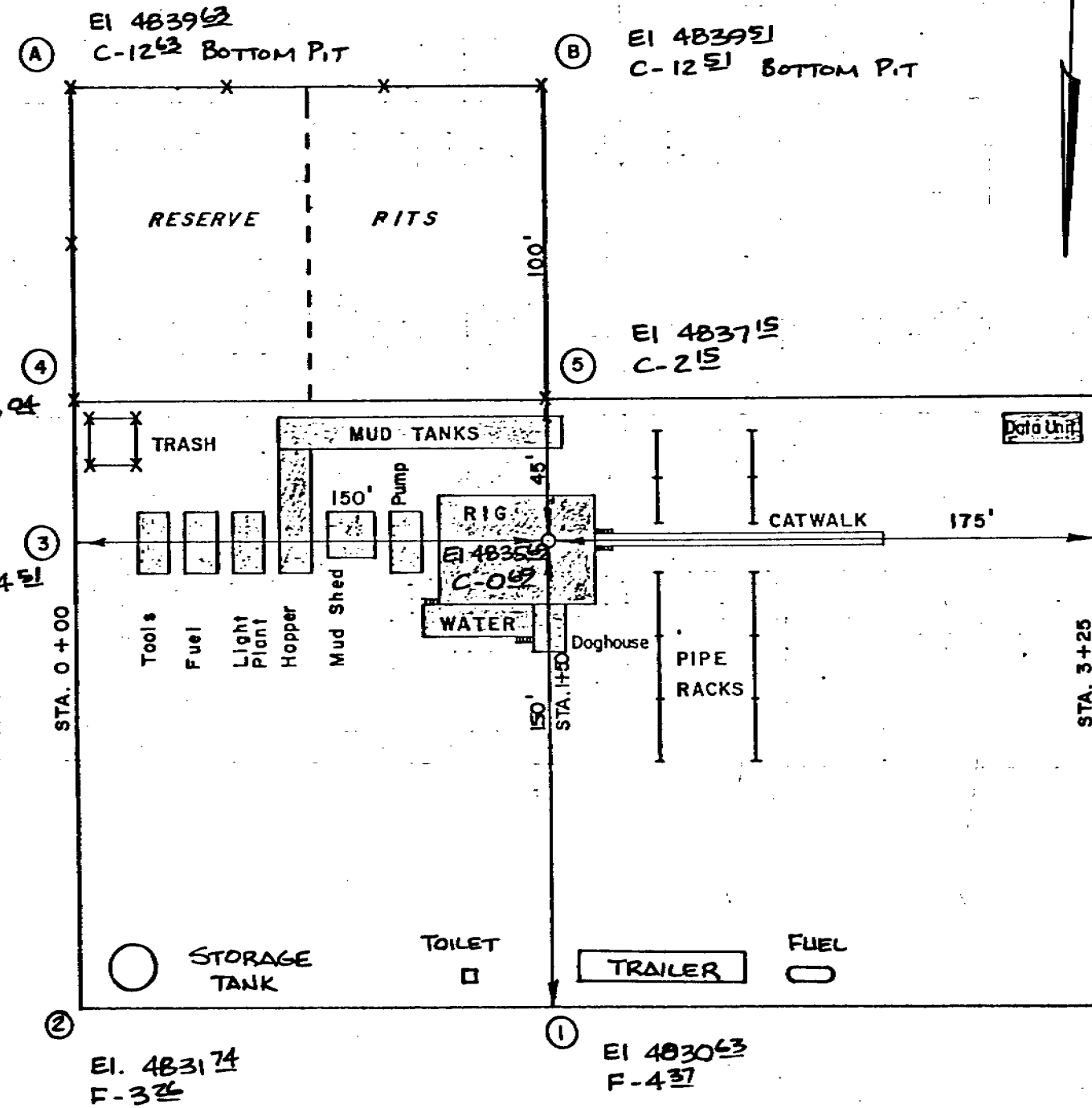
R-182

T-93

Sheep
H. 4381
11 mile foot
PROPOSED LOCATION
S. O. UTAH # 43-13
200

S.O. UTAH
S.O. UTAH # 43 - 13

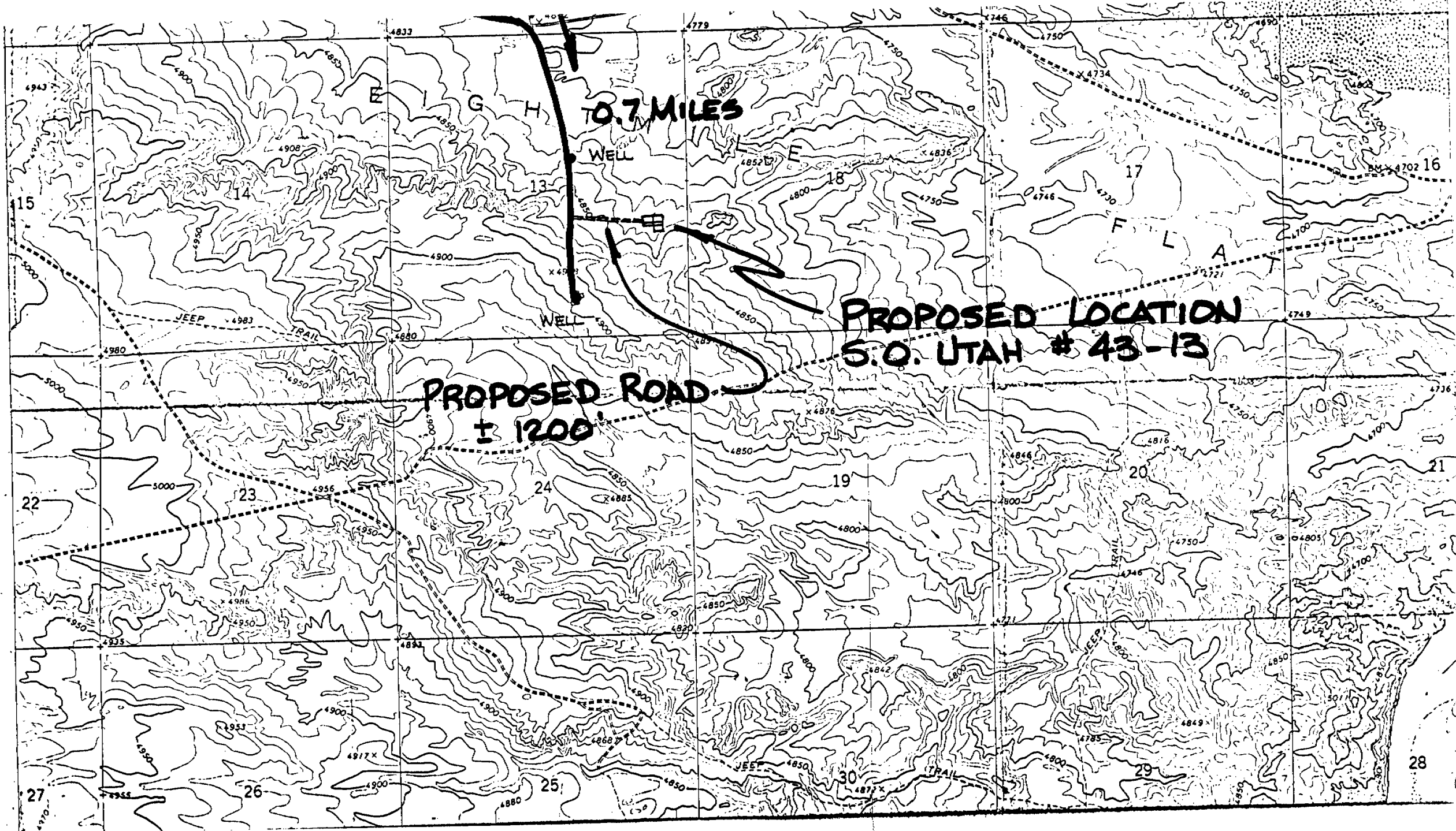
SCALE 1" = 50'
DATE 7-24-85



APPROX. YARDAGES

Cubic Yards Cut - 4,173

Cubic Yards Fill - 3,783



TOPO.

MAP "B"

SCALE 1" = 2000'

ROAD CLASSIFICATION

Light duty road, all weather, improved surface _____ Unimproved road fair or dry weather _____

UTAH

QUADRANGLE LOCATION

MYTON UT 22.8 Mi.
U.S. 40 21.3 Mi.

OPERATOR SO Utah DATE 8-6-85
WELL NAME Eight Mile Flat Unit #43-13
SEC NE SE 13 T 9S R 18E COUNTY Uintah

43-047-31666
API NUMBER

Fee
TYPE OF LEASE

CHECK OFF:

☒

PLAT

☒

BOND

☐

NEAREST WELL

☒

LEASE

☒

FIELD

☐

POTASH OR
OIL SHALE

PROCESSING COMMENTS:

Unit Well - & on P.O.D / Lease BLM 8/13/85
Need water permit (will obtain from Target Trucking)

APPROVAL LETTER:

SPACING:

☒

A-3

Eight Mile Flat
UNIT

☐

c-3-a

CAUSE NO. & DATE

☐

c-3-b

☐

c-3-c

STIPULATIONS:

1- Water

S.O. UTAH
17922 Fitch Avenue
Irvine, California 92714

POSTED
PD-7385

1985 AUG 12 AM 10:00

August 7, 1985

RECEIVED

Department of Interior
Bureau of Land Management
Utah State Office
324 S. State Street
Suite 301
Salt Lake City, Utah 84111

AUG 14 1985

DIVISION OF OIL
GAS & MINING

Re: 8-Mile Flat, 1985 Plan of Development Modification

Gentlemen:

Please be advised that S.O. Utah is proposing to drill a well in the 8-Mile Flat area, well #43-13 located in the northeast quarter of the southeast quarter of Section 13, Township 9 South, Range 18 East. This proposed well was not originally listed in the plan of development as submitted to you earlier this year. Refinement of the geology has indicated that the new location appears to be more geologically favorable. Would you please be kind enough to change your records accordingly to reflect this modification. You have received the survey plot and location layout. Thank you very much.

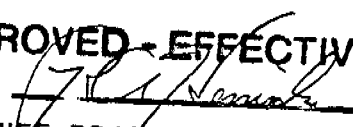
Very truly yours,


Dougald H. Thamer
S.O. Utah Representative

cc: State of Utah
United States Dept. of Interior

DHT/cws

APPROVED - EFFECTIVE AUG 13 1985


ACTING CHIEF, BRANCH OF FLUID MINERALS
BUREAU OF LAND MANAGEMENT

S.O. Utah Operations Office
c/o Dougald H. Thamer, 1064 Cass St., Monterey, CA 93940
(408) 373-2656

DOGM



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

August 15, 1985

S O Utah
17922 Fitch Avenue, Suite 100
Irvine, California 92714

Gentlemen:

Re: Well No. Eight Mile Flat Unit 43-13 - NE SE Sec. 13, T. 9S, R. 18E
1980' FSL, 661' FEL - Uintah County, Utah

Approval to drill the above-referenced oil well is hereby granted in accordance with Section 40-6-18, Utah Code Annotated, as amended 1983; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

In addition, the following actions are necessary to fully comply with this approval:

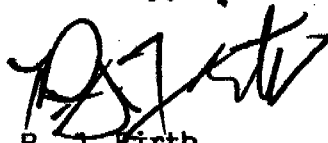
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Page 2
S O Utah
Well No. Eight Mile Flat Unit 43-13
August 15, 1985

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-047-31666.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLED COPY
(One set of instructions on
reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		RECEIVED OCT 24 1985 DIVISION OF OIL & GAS & MINING		5. LEASE DESIGNATION AND SERIAL NO. U-18048	
2. NAME OF OPERATOR S.O. Utah, Inc.				6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
3. ADDRESS OF OPERATOR 1344 West Hwy. 40 Vernal, Utah 84078				7. UNIT AGREEMENT NAME Eight Mile Flat	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 661' FEL 1980' FSL Sec 13				8. FARM OR LEASE NAME S.O. Utah, Inc.	
14. PERMIT NO. 43-047-31666		15. ELEVATIONS (Show whether OF, RT, OR, etc.) 4836' GR		9. WELL NO. 43-13	
				10. FIELD AND POOL, OR WILDCAT Green River	
				11. SEC., T., R., M., OR S.E. AND SURVEY OR AREA Sec. 13, T9S, R18E	
				12. COUNTY OR PARISH Uintah	
				13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) Confidential <input checked="" type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

All information on this well should be held confidential.

18. I hereby certify that the foregoing is true and correct

SIGNED Scott J. Seely TITLE Operations Manager DATE 10-22-85

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" (for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-18048	
2. NAME OF OPERATOR S.O. Utah, Inc.		6. IF INDIAN, ALLOTED OR TRIBE NAME N/A	
3. ADDRESS OF OPERATOR 1344 West Hwy. 40 Vernal, Utah 84078		7. UNIT AGREEMENT NAME Eight Mile Flat	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 661' FEL 1980' FSL Sec 13		8. FARM OR LEASE NAME S.O. Utah, Inc.	
14. PERMIT NO. 43-047-31666		9. WELL NO. 43-13	
15. ELEVATIONS (Show whether OP, ST, GR, etc.) 4836' GR		10. FIELD AND POOL, OR WILDCAT Green River	
		11. SEC., T., R., M., OR S.E. AND SURVEY OR AREA Sec. 13, T9S, R18E	
		12. COUNTY OR PARISH Uintah	13. STATE Utah

RECEIVED

OCT 24 1985

DIVISION OF OIL
& GAS & MINING

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETION

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☒
☐
☐

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

☐
☐
☒
☐

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

This well was spudded on 8/26/85 and was drilled by Winrock rig #7 to a total depth of ;5975'.

Open hole logs run were: FDC-CNL from T.D. to 3000'. DLL MSFL from T.D. to 3000'; DLL to surface casing at 310.

Sidewall cores were shot at 4390', 4393.5', 4396', 4396.5', 4793', 4796', 4959', 4974', 4976', 5017', 5038', 5051', 5159', 5321', 5322', and 5952'.

Drill stem tests were run from 4369' to 4401'.

Set: Hole was determined to be dry and the following cement plugs were
Cement plug from 5660' to 5300' with 110 sacks class "G" cement.
cement plug from 2900' to 2700; with 60 sacks class "G" cement.
Cement plug from 1825' to 1625' with 60 sacks class "G" cement.
Cement plug from 285' to 85' with 60 sacks class "G" cement.
Cement plug with 25 sacks cement at surface.
Rig released on 9/24/85.

18. I hereby certify that the foregoing is true and correct

SIGNED

Scott J. Seeluy

TITLE

Operation Officers

DATE

10-22-85

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 10/25/85

BY: John R. Baya

*See Instructions on Reverse Side



Geoscience Services

TerraTek Core Services

October 8, 1985

Gavilan Petroleum Inc.
1344 West Highway 40
Vernal, Utah 84078

ATTN: Mr. Scott Seeby

SUBJECT: Sidewall Core Analysis; #43-13 Federal Well;
Uintah County, Utah; TTCS File No. 86077

Gentlemen:

Tabulated on the following page are the results of our analysis of percussion type sidewall samples submitted to our Salt Lake City laboratory on September 21, 1985.

Residual fluids were measured by the controlled temperature retort extraction method on those samples that were suitable. Porosities were determined by the summation of fluids technique, and permeabilities were empirically determined.

We sincerely appreciate this opportunity to be of service.

Very truly yours,

A handwritten signature in cursive script, reading "Rick E. Dutson".

Rick E. Dutson
Rocky Mtn. Regional Manager

RED/jl

10 cc: Addressee

TerraTek Core Services, Inc.®

University Research Park - 360 Wakara Way - Salt Lake City, Utah 84108 - (801) 584-2480 - TWX 910-925-5284

S.O. UTAH

Well: #43-13 Federal
Field: Eight Mile Flat
Drilling fluid: Water Base

State: Utah
County: Uintah
Location: Sec 13-T9S-R18E

Date: Oct 15, 1985
TICS File #: 86077
Elevation: N/A

RETORT ANALYSIS - PERCUSSION SIDEWALLS

Sample Number	Depth (feet)	Permeability	Porosity	Saturation		Odor	Flour	Lithology
		Horz (md)	%	Oil %	H2O %			
Green River Formation								
1	4390.0	3.1	16.7	20.4	59.9	F	F-G	Sd,fg,slty
2	4393.5	2.3	16.9	0.0	43.8	O	O	Sd,vf-fg,slty
3	4396.0	2.5	16.9	10.8	43.1	G	G	Sd,vf-fg,slty
4	4396.5	1.6	16.1	21.7	54.0	G	G	Sd,vfg,slty
5	4793.0	0.8	14.9	16.8	41.6	P	F	Sd,vfg,slty,shy
6	4796.0	3.8	18.5	11.4	44.3	P	F	Sd,vfg,slty
7	4959.5	0.8	14.9	15.4	56.4	P	F	Sd,vfg,slty
8	4974.0	0.5	11.6	28.4	50.0	P	F	Sd,vfg,slty
9	4976.5	0.5	11.7	18.8	55.6	F	G	Sd,vfg,slty
10	5017.0	0.7	14.2	17.6	54.9	F	G	Sd
11	5038.0	0.4	11.3	7.4	55.6	P	P	Sd,vfg,slty
12	5051.5	0.2	10.7	0.0	63.6	VP	VP	Sd,vf-fg,qtz
13	5159.0	0.2	9.5	0.0	87.4	O	O	Sd,vf-fg,slty
14	5321.5	0.4	10.9	16.5	67.0	P	F	Sd,vf-fg,slty,qtz
15	5322.0	0.5	11.9	15.1	54.6	P	F	Sd,vf-fg,qtz
Wasatch Formation								
16	5928.0	Not Suitable for Analysis				P	O	Sd,vfg,slty,shv
17	5931.5	Not Suitable for Analysis				P	O	Sd,vfg,slty,shy
18	5952.0	0.9	9.2	0.0	83.7	P	O	Sd,vf-mg,slty,shv

GAVILAN PETROLEUM, INC.

P.O. Box 6107

Salt Lake City, Utah 84106

1997 South 1100 East
Salt Lake City, Utah 84106
(801) 484-0942

RECEIVED

OCT 31 1985

DIVISION OF OIL
GAS & MINING

October 29, 1985

State Of Utah
Division of Oil, Gas & Mining
3 Triad Center-Suite 350
355 West North Temple
Salt Lake City, Utah 84180-1203

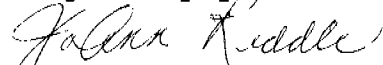
Attention: Pam Kenna

Re: Federal 43-13
NE/4 Se/4 Sec. 13, T9S R18E
Eight Mile Flat Unit

Dear Ms. Kenna:

Enclosed for your files, one copy of the log reports for 43-13.
We do not yet have reports on Core Analysis and related tests,
These will be forwarded to you when received.
At this time Federal 43-13 is plugged.

Very truly yours



JoAnn Riddle
Production Technician

OPERATIONS OFFICE

1344 West Highway #40 / Vernal, Utah 84078 / (801) 789-4666



Geoscience Services

TerraTek Core Services

S. O. UTAH

#43-13 Federal Well
Uintah County, Utah

TTCS File No. 86077

<u>Core No.</u>	<u>Interval</u>	<u>Formation</u>
Sidewalls	4390-5952 (Intermittent)	Wasatch

GAVILAN PETROLEUM, INC.

P.O. Box 6107
Salt Lake City, Utah 84106

1997 South 1100 East
Salt Lake City, Utah 84106
(801) 484-0942

October 31, 1985

RECEIVED
NOV 01 1985
CONFIDENTIAL
DIVISION OF OIL
& GAS & MINING

State Of Utah
Division Of Oil, Gas & Mining
3Triad Center-Suite 350
355 West North Temple
Salt Lake City, Utah 84180-1203

Re: Sidewall Core Analysis
Federal 43-13
NE/4 SE/4 Sec.13, T9S R18E

Dear Ms. Kenna:

Enclosed are copies of the Sidewall Core Analysis for Federal 43-13. If you need further information please contact me.

Sincerely,

JoAnn Riddle

JoAnn Riddle
Production Technician

Enclosure



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

January 16, 1986

SO Utah, Inc.
17922 Fifth Ave., Suite 100
Irvine, CA 92714

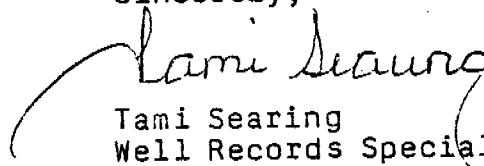
Gentlemen:

Re: Eight Mile Flat Unit #43-13 - Sec. 13, T. 9S, R. 18E,
Uintah County, Utah - API #43-047-31666

This letter is to advise you that the "Well Completion or Recompletion Report and Log" for the above referenced well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, and forward it to this office as soon as possible, but not later than January 31, 1986.

Sincerely,


Tami Searing
Well Records Specialist

Enclosure
cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File

0320/32



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

July 23, 1986

S.O. Utah, Inc
1344 West Hwy 40
Vernal, Utah 84078

Gentlemen:

Re: Well No. Eight Mile Flat Unit #43-13 - Sec. 13, T. 9S, R. 18E
Uintah County, Utah - API #43-047-31666

A review of our records indicates that formation top information was not included in the March 28, 1986 Well Completion or Recompletion Report and Log for the referenced well.

Please use the address listed below to provide the required formation top information at your earliest convenience, but not later than August 11, 1986.

Division of Oil, Gas and Mining
Attention: Suspense File - Norm Stout
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Respectfully,

Norman C. Stout
Records Manager

ta
cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
Suspense File
Well File

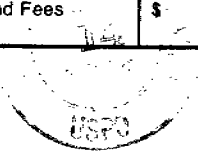
0421S/5

P 168 903 928

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

★ U.S.G.P.O. 1984-446-014 PS Form 3800, Feb. 1982	Sent to S. O. Utah	
	Street and No. 1344 West Hwy 40	
	P.O., State and ZIP Code Vernal, Utah 84078	
	Postage	\$
	Certified Fee	
	Special Delivery Fee	
	Restricted Delivery Fee	
	Return Receipt Showing to whom and Date Delivered	
	Return receipt showing to whom, Date, and Address of Delivery	
	TOTAL Postage and Fees	\$
Postmark or Date 		

SENDER: Complete items 1, 2, 3 and 4.

your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☒ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:

S.O. Utah, Inc.
1344 West Hwy 40
Vernal, Utah 84078

4. Type of Service:

- ☒ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail

Article Number

P 168 903 928

Always obtain signature of addressee or agent and
DATE DELIVERED.

5. Signature — Addressee**6. Signature — Agent****7. Date of Delivery****8. Addressee's Address (ONLY if requested and fee paid)**

DOMESTIC RETURN RECEIPT

UNITED STATES POSTAL SERVICE
OFFICIAL BUSINESS



RECEIVED



SENDER INSTRUCTIONS
Print your name, address, and ZIP Code in the space below.

- Complete items 1, 2, 3, and 4 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.

AUG 18 1986

PENALTY FOR PRIVATE
USE, \$300

RETURN
TO 

DIVISION OF
OIL, GAS & MINING

STATE OF UTAH

(Name of Sender)
NATURAL RESOURCES
OIL, GAS & MINING

(No. and Street, Apt., Suite, P.O., Box or R.D. No.)
3 TRIAD CENTER, SUITE 350

SALT LAKE CITY, UTAH 84180-1203
(City, State, and ZIP Code)



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

August 13, 1986

RETURN RECEIPT REQUESTED
P 168 903 928

S.O. Utah, Inc.
1344 West Hwy 40
Vernal, Utah 84078

Gentlemen:

Re: Well No. Eight Mile Flat Unit #43-13 - Sec. 13, T. 9S, R. 18E
Uintah County, Utah - API #43-047-31666

A review of our records indicates that formation top information was not included in the March 28, 1986 Well Completion or Recompletion Report and Log for the referenced well.

Please use the address listed below to provide the required formation top information at your earliest convenience, but not later than August 29, 1986.

Division of Oil, Gas and Mining
Attention: Suspense File - Norm Stout
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Respectfully,

A handwritten signature in dark ink, appearing to read "Norm", written over a horizontal line.

Norman C. Stout
Records Manager

ts
cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
Suspense File
Well File
0448S/25



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

August 13, 1986

RETURN RECEIPT REQUESTED
P 168 903 928

S.O. Utah, Inc.
1344 West Hwy 40
Vernal, Utah 84078

2nd NOTICE

Gentlemen:

Re: Well No. Eight Mile Flat Unit #43-13 - Sec. 13, T. 9S, R. 18E
Uintah County, Utah - API #43-047-31666

A review of our records indicates that formation top information was not included in the March 28, 1986 Well Completion or Recompletion Report and Log for the referenced well.

Please use the address listed below to provide the required formation top information at your earliest convenience, but not later than August 29, 1986.

Division of Oil, Gas and Mining
Attention: Suspense File - Norm Stout
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Respectfully,

Norman C. Stout
Records Manager

ts

cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
Suspense File
Well File

0448S/25

GAVILAN PETROLEUM, INC.

P.O. Box 6107

Salt Lake City, Utah 84106

1997 South 1100 East
Salt Lake City, Utah 84106
(801) 484-0942

RECEIVED
MAR 31 1986

**DIVISION OF
OIL, GAS & MINING**

March 28, 1986

State of Utah
355 W. North Temple
3 Triad Center Suite 350
Salt Lake City, Utah 84180-1203

Attention: Pam Kenna

Dear Ms. Kenna:

Enclosed, please find Report of Water Encountered During Drilling for the following Wells: Eight Mile Flat 43-13, Tabby Canyon Ute Tribal 5-13, Tabby Canyon Ute Tribal 14-9A.

If you need further information please contact Scott Seeby.

Very truly yours,

JoAnn Riddle
JoAnn Riddle
Production Clerk

/j

Enclosure

WELL PERFORMANCE TESTING™ REPORT

RECEIVED
MAR 31 1986

TEST DATE:
9-22-85

A Production System Analysis (NODAL™)
Based On Model Verified™ Interpretation

DIVISION OF
OIL, GAS & MINING

Company: HILL AND HART OPERATING			Well: FED 43-13		
TEST IDENTIFICATION			WELL LOCATION		
Test Type	DH DST		Field	SOUTH MYTON	
Test No.	1		County	UINTAH	
Formation	GREEN RIVER		State	UTAH	
Test Interval (ft)	4369-4401		Sec/Twn/Rng	13-9S-18E	
Reference Depth	KB		Elevation (ft)	3836	
HOLE CONDITIONS			MUD PROPERTIES		
Total Depth (MD/TUD) (ft)	5992		Mud Type	KCL	
Hole Size (in)	7 7/8		Mud Weight (lb/gal)	8.7	
Casing/Liner I.D. (in)	8 5/8		Mud Resistivity (ohm.m)	0.2 @ 70 F	
Perf'd Interval/Net Pay (ft) ..	16		Filtrate Resistivity (ohm.m) ..		
Shot Density/Diameter (in) ...			Filtrate Chlorides (ppm)	24800	
INITIAL TEST CONDITIONS			TEST STRING CONFIGURATION		
Initial Hydrostatic (psi)	1954		Pipe Length (ft)/I.D. (in) ...	3981.48/3.83	
Gas Cushion Type	NONE		Collar Length (ft)/I.D. (in) ..	1727/2.25	
Surface Pressure (psi)			Packer Depths (ft)	4369-4401	
Liquid Cushion Type	NONE		Bottomhole Choke Size (in) ...	15/16	
Cushion Length (ft)			Gauge Depth (ft)/Type	4333/J-200	
NET PIPE RECOVERY			NET SAMPLE CHAMBER RECOVERY		
Volume	Fluid Type	Properties	Volume	Fluid Type	Properties
15 FEET	OIL	34 API @ 98 DEG F	0.28 SCF	GAS	
1259 FEET	WATER	RW=0.15 @ 76 DEG F	2150 CC	WATER	RW=0.13 @ 76 DEG F
		26200 PPM CL			
INTERPRETATION RESULTS			ROCK/FLUID/WELLBORE PROPERTIES		
Model of Behavior			Oil Density (deg. API)		
Fluid Type Used for Analysis ..			Basic Solids (%)		
Reservoir Pressure (psi)	2066		Gas Gravity		
Transmissibility (md.ft/cp) ..			Water Cut (%)		
Effective Permeability (md) ..			Viscosity (cp)		
Skin Factor/Damage Ratio			Total Compressibility (1/psi) ..		
Storativity Ratio			Porosity (%)	16	
Interporosity Flow Coeff.			Reservoir Temperature (F)	127	
Distance to an Anomaly (ft) ..			Form.Vol.Factor (bbl/STB)		
Radius of Investigation (ft) ..					
Potentiometric Surface (ft) ..					

PRODUCTION RATE DURING TEST: -

COMMENTS:

THIS TEST WAS NOT ANALYZED DUE TO PRODUCTION OF WATER DURING TEST

FLOPETROL JOHNSTON
SCHLUMBERGER

SURFACE PRESSURE SUMMARY PAGE

RECEIVED
MAR 31 1986

DIVISION OF
OIL GAS & MINING

DATE	TIME	DESCRIPTION	PSI	INCHES H ₂ O
9-23-85	5:05	SET PACKER		
	5:08	OPEN FOR INITIAL FLOW		3
	5:12		2	
	5:18	LOST 18' OF FLUID DURING FLOW	3.25	
	5:18	CLOSED FOR INITIAL SHUTIN		
	6:18	FINNISHED INITIAL SHUTIN		
	6:21	OPEN FOR FINAL FLOW		1
	6:26			5.5
	6:34			10.5
	6:39		1	
	6:56		1	
	7:04		1.2	
	7:07		1.25	
	7:15		2.5	
	7:18		2.5	
		LOST 30' OF FLUID DURING LAST 5 MIN OF FLOW PERIOD.		
	7:18	CLOSED FOR FINAL SHUTIN		
	12:18	FINNISHED FINAL SHUTIN		
	12:18	PULLED LOOSE		

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
4241 State Office Building
Salt Lake City, UT 84114

RECEIVED
MAR 31 1986

DIVISION OF
OIL, GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Eight Mile Flat 43-13
Operator S.O. Utah, Inc. Address 1344 West Hwy. 40, Vernal, Utah 84078
Contractor Olsen Drilling, Inc. Address 999 18th Street, Suite 3300
Denver, Colorado 80202
Location NE 1/4 SE 1/4 Sec. 13 T. 9S R. 18E County Uintah

Water Sands

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1.			
2.			
3.	None Encountered During Drilling		
4.			
5.			

(Continue on reverse side if necessary)

Formation Tops

Remarks

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

U-18048

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

Eight Mile Flat Unit

8. FARM OR LEASE NAME

S.O. Utah, Inc.

9. WELL NO.

43-13

10. FIELD AND POOL, OR WILDCAT

Green River

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec 13, T9S, R18E

12. COUNTY OR PARISH 13. STATE

Uintah

Utah

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

S.O. Utah, Inc.

3. ADDRESS OF OPERATOR

1344 West Hwy 40, Vernal, Utah 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

661' FEL 1980' FSL Sec 13

14. PERMIT NO.

43-047-31666

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4836' GR.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐

REPAIRING WELL

☐
☐
☐

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This Sundry notice succeeds a previous notice dated 11-25-85. On 2-3-86 conditions of approval for abandonment were fulfilled. Except, reseeding which will take place in the fall of 1986. We respectfully request a meeting on the above abandoned location for further rehabilitation on approval to seed.

Thank you!

RECEIVED
APR 02 1986

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED Scott J. Seely

TITLE Operations Manager

DATE 4-1-86

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

GAVILAN PETROLEUM, INC.

P.O. Box 6107
Salt Lake City, Utah 84106

1997 South 1100 East
Salt Lake City, Utah 84106
(801) 484-0942

RECEIVED
AUG 25 1986

**DIVISION OF
OIL, GAS & MINING**

August 19, 1986

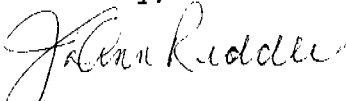
Utah Division of Oil, Gas &
Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attention: Norm Stout - Suspense File

Gentlemen:

In reference to your letter dated August 13, 1986, enclosed please find
Well Completion Report for the Federal 43-13.

Sincerely,



JoAnn Riddle
Production Clerk

/j

Enclosure

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO U-18048
2. NAME OF OPERATOR S.O. Utah, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N.A. 060220
3. ADDRESS OF OPERATOR 1680 West Hwy. 40, Suite 1230, Vernal, UT. 84078		7. UNIT AGREEMENT NAME Eight Mile Flat PA
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 661' FEL 1980' FSL		8. FARM OR LEASE NAME S.O. Utah
14. PERMIT NO. 43-047-31666	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4836'	9. WELL NO. Federal 43-13
		10. FIELD AND POOL, OR WILDCAT GreenRiver
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 13, T9S., R18E. NE 1/4 SE 1/4
		12. COUNTY OR PARISH Uintah
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

On approximately 4-23-87 the abandonment marker for subject well was cemented securely in place per B.L.M. guidelines.

Thank You!

RECEIVED
MAY 29 1987

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature]

TITLE Operations Manager

DATE May 28, 1987

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side